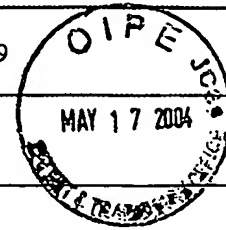


INFORMATION DISCLOSURE CITATION WITH DOCUMENT COPIES

Atty. Docket No.
DP-308152Serial No.
10/763,499Applicant
THOMAS WOLFGANG NEHLFiling Date
January 23, 2004

Group



U.S. PATENT DOCUMENTS

Exam. Init.	Document Number	Date	Name	Class	Sub Class	Filing Date (if approp.)
	3,876,456	04/08/1975	Ford, et al.			
	3,996,398	12/1976	Manfredi			
	5,217,746	06/1993	Lenling, et al.			
	5,328,751	07/1994	Komorita, et al.			
	5,362,523	11/1994	Gorynin, et al.			
	5,465,627	11/14/1995	Garshelis			
	5,493,921	02/27/1996	Alasafi			
	5,520,059	05/28/1996	Garshelis			
	5,525,570	06/11/1996	Chakraborty, et al.			
	5,585,574	12/17/1996	Sugihara, et al.			
	5,683,615	11/04/1997	Munoz			
	5,706,572	01/13/1998	Garshelis			
	5,708,216	01/13/1998	Garshelis			
	5,725,023	03/10/1998	Padula			
	5,887,335	03/30/1999	Garshelis			
	5,889,215	03/30/1999	Kilmartin, et al.			
	5,907,105	05/25/1999	Pinkerton			
	5,993,565	11/30/1999	Pinkerton			

Examiner

Date Considered

6/22/05

*Examiner: Initial if reference considered whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-FB-A820 (also PTO-1449) Patent & Trademark Office-US Dept. of Commerce

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 on:

Date: 5/12/04

Signature:

Name: Lindsey Dickerson

INFORMATION DISCLOSURE CITATION WITH DOCUMENT COPIES

Atty. Docket No. DP-308152	Serial No. 10/763,499
-------------------------------	--------------------------

Applicant THOMAS WOLFGANG NEHL

Filing Date January 23, 2004	Group
---------------------------------	-------

U.S. PATENT DOCUMENTS

Exam. Init.	Document Number	Date	Name	Class	Sub Class	Filing Date (if approp.)
	6,047,605	04/11/2000	Garshelis			
	6,098,741	08/08/2000	Gluf			
	6,119,667	09/19/2000	Boyer, et al.			
	6,145,387	11/04/2000	Garshelis			
	6,149,736	11/21/2000	Sugihara			
	6,159,430	12/12/2000	Foster			
	6,189,663	02/20/2001	Smith, et al.			
	6,260,423 B1	07/17/2001	Garshelis			
	6,261,703	07/2001	Sasaki, et al.			
	6,283,859	09/04/2001	Carlson, et al.			
	6,289,748	09/18/2001	Lin, et al.			
	6,338,827	01/18/2002	Nelson, et al.			
	6,344,237	02/2002	Kilmer, et al.			
	6,374,664	04/23/2002	Bauer			
	6,442,039	08/27/2002	Schreiber			
	6,422,360	07/26/2002	Oliver, et al.			
	6,424,896B1	07/23/2002	Lin			
	6,446,857	09/10/2002	Kent, et al.			

Examiner Date Considered

6/22/05

*Examiner: Initial if reference considered whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-FB-A820 (also PTO-1449) Patent & Trademark Office-US Dept. of Commerce

I hereby certify that this correspondence is
being deposited with the United States Postal
Service as first class mail in an envelope
addressed to: Commissioner for Patents
P.O. Box 1450 Alexandria, Virginia 22313-1450 on:

Date: 5/12/04
Signature:
Name: Lindsey Dickerson

INFORMATION DISCLOSURE CITATION WITH DOCUMENT COPIES

Atty. Docket No. DP-308152	Serial No. 10/763,499
-------------------------------	--------------------------

Applicant THOMAS WOLFGANG NEHL

Filing Date January 23, 2004	Group
---------------------------------	-------

U.S. PATENT DOCUMENTS

Exam. Init.	Document Number	Date	Name	Class	Sub Class	Filing Date (if approp.)
	6,465,039	10/15/2002	Pinkerton, et al.			
	6,485,852	11/26/2002	Miller, et al.			
	6,488,115B1	12/03/2002	Ozsoylu			
	6,490,934B2	12/10/2002	Garshelis			
	6,511,135	01/28/2003	Ballinger, et al.			
	6,537,507	03/23/2003	Nelson, et al.			
	6,551,734	04/22/2003	Simpkins, et al.			
	6,553,847	04/29/2003	Garshelis			
	6,615,488	09/09/2003	Anders			
	6,623,704	09/23/2003	Roth			
	6,623,796	09/23/2003	VanSteenkiste, et al.			
	2002/0071906	06/2002	Rusch			
	2002/0073982	06/2002	Shaikh, et al.			
	2002/0110682	08/2002	Brogan, et al.			
	2002/0112549	08/22/2002	Cheshmehdoost, et al.			
	2002/0182311	12/2002	Leonardi, et al.			
	2003/0039856	02/2003	Gillispie, et al.			
	2003/0190414	10/2003	VanSteenkiste			
	2003/0219542	11/2003	Ewasysyn, et al.			

Examiner *[Signature]* Date Considered *6/22/05*

*Examiner: Initial if reference considered whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-FB-A820 (also PTO-1449) Patent & Trademark Office-US Dept. of Commerce

I hereby certify that this correspondence is
being deposited with the United States Postal
Service as first class mail in an envelope
addressed to: Commissioner for Patents
P.O. Box 1450 Alexandria, Virginia 22313-1450 on:

Date: *5/12/04*
Signature: *[Signature]*
Name: Lindsey Dickerson

INFORMATION DISCLOSURE CITATION WITH DOCUMENT COPIES

Atty. Docket No. DP-308152	Serial No. 10/763,499
-------------------------------	--------------------------

Applicant THOMAS WOLFGANG NEHL

Filing Date January 23, 2004	Group
---------------------------------	-------

FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Subclass	Translation Yes No
03009934	02/06/2003	WO			Yes
04180770	06/26/1992	JP			Abstract Only
04243524	08/31/1992	JP			Abstract Only
55031161	03/05/1980	JP			Abstract Only
61249541	11/06/1986	JP			Abstract Only
98/22639	05/1998	WO			
1245854A2	02/10/2002	EP			Yes

Examiner Jan Jent Date Considered 6/22/05

*Examiner: Initial if reference considered whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-FB-A820 (also PTO-1449) Patent & Trademark Office-US Dept. of Commerce

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 on:

Date: 5/12/04
 Signature: Lindsey Dickerson
 Name: Lindsey Dickerson

INFORMATION DISCLOSURE CITATION WITH DOCUMENT COPIES

Atty. Docket No.	Serial No.
DP-308152	10/763,499

Applicant
THOMAS WOLFGANG NEHL

Filing Date	Group
January 23, 2004	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Dykhuizen, et al.; *Gas Dynamic Principles of Cold Spray*; Journal of Thermal Spray Technology; 06-98; pp. 205-212

McCune, et al; *An Exploration of the Cold Gas-Dynamic Spray Method for Several Materials Systems*

Ibrahim, et al; *Particulate Reinforced Metal Matrix Composites – A Review*; Journal of Materials Science 26; pp. 1137-1156

I.J. Garshelis, et al; *A Magnetoelastic Torque Transducer Utilizing a Ring Divided into Two Oppositely Polarized Circumferential Regions*; MMM 1995; Paper No. BB-08

I.J. Garshelis, et al; *Development of a Non-Contact Torque Transducer for Electric Power Steering Systems*; SAE Paper No. 920707; 1992; pp. 173-182

Boley, et al; *The Effects of Heat Treatment on the Magnetic Behavior of Ring – Type Magnetoelastic Torque Sensors*; Proceedings of Sicon '01; November 2001

J.E. Snyder, et al; *Low Coercivity Magnetostrictive Material with Giant Piezomagnetic d33*, Abstract Submitted for the MAR99 Meeting of the American Physical Society

McCune, et al; *An Exploration of the Cold Gas-Dynamic Spray Method...*; Proc. Nat. Thermal Spray Conf. ASM 9/1995

Pavel Ripka, et al; *Pulse Excitation of Micro-Fluxgate Sensors*, IEEE Transactions on Magnetics, Vol. 37, No. 4, July 2001, pp. 1998-2000

Trifon M. Liakopoulos, et al; *Ultrahigh Resolution DC Magnetic Field Measurements Using Microfabricated Fluxgate Sensor Chips*, University of Cincinnati, Ohio, Center for Microelectronic Sensors and MEMS, Dept. of ECECS pp. 630-631

Derac Son, *A New Type of Fluxgate Magnetometer Using Apparent Coercive Field Strength Measurement*, IEEE Transactions on Magnetics, Vol. 25, No. 5, September 1989, pp. 3420-3422

O. Dezaury, et al; *Printed Circuit Board Integrated Fluxgate Sensor*, Elsevier Science S. A. (2000) Sensors and Actuators, Pp. 200-203

How, et al; *Generation of High-Order Harmonics in Insulator Magnetic Fluxgate Sensor Cores*, IEEE Transactions on Magnetics, Vol. 37, No. 4, July 2001, pp. 2448-2450

Examiner  Date Considered

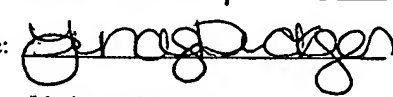
6/22/05

*Examiner: Initial if reference considered whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-FB-A820 (also PTO-1449) Patent & Trademark Office-US Dept. of Commerce

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents
P.O. Box 1450 Alexandria, Virginia 22313-1450 on:

Date: 5/12/04

Signature: 
Name: Lindsey Dickerson

INFORMATION DISCLOSURE CITATION WITH DOCUMENT COPIES

Atty. Docket No.	Serial No.
DP-308152	10/763,499

Applicant
THOMAS WOLFGANG NEHL

Filing Date	Group
January 23, 2004	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Moreland, *Fluxgate Magnetometer*, Carl W. Moreland, 199-2000, pp. 1-9

Ripka, et al; *Symmetrical Core Improves Micro-Fluxgate Sensors*, Sensors and Actuators, Version 1, August 25, 2000, pp. 1-9

Hoton How, et al; *Development of High-Sensitivity Fluxgate Magnetometer Using Single-Crystal Yttrium Iron Garnet Thick Film as the Core Material*, *ElectroMagnetic Applications, Inc.*

Ripka, et al; *Microfluxgate Sensor with Closed Core*, submitted for Sensors and Actuators, Version 1, June 17, 2000

Henriksen, et al; *Digital Detection and Feedback Fluxgate Magnetometer*, Meas. Sci. Technol. 7 (1996) pp.897-903

Cetek 930580 Compass Sensor, *Specifications*, June 1997

Geyger, *Basic Principles Characteristics and Applications*, Magnetic Amplifier Circuits, 1954, pp. 219-232

Examiner

Date Considered

6/22/05

*Examiner: Initial if reference considered whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-FB-A820 (also PTO-1449) Patent & Trademark Office-US Dept. of Commerce

I hereby certify that this correspondence is being deposited with the United States Postal

Service as first class mail in an envelope addressed to: Commissioner for Patents

P.O. Box 1450 Alexandria, Virginia 22313-1450 on:

Date:

5/12/04

Signature:

Lindsey Dickerson

Name:

Lindsey Dickerson

INFORMATION DISCLOSURE CITATION WITH DOCUMENT COPIES

Submitted by:	Atty. Docket No. DP-308152	Serial No.
SCOTT A. MCBAIN Delphi Technologies, Inc.,	Applicant Thomas W. Nehl et al	
Reg. No. 37181	Filing Date Herewith	Group

U.S. PATENT DOCUMENTS

Exam. Init.	Document Number	Date	Name	Class	Sub Class	Filing Date (if approp.)
	3,100,724	08-14-1964	Rocheville			
	3,993,411	11-23-1976	Babcock et al			
	4,263,335	04-21-1981	Wagner et al			
	4,606,495	08-19-1986	Stewart, Jr., et al			
	4,891,275	01-02-1990	Knoll			
	4,939,022	07-03-1990	Palanisamy			
	5,187,021	02-16-1993	Vydra et al			
	5,271,965	12-21-1993	Browning			

FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Subclass	Translation Yes No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Van Steenkiste, et al; <i>Kinetic Spray Coatings</i> ; in <i>Surface & Coatings Technology III</i> ; 1999; pp.62-71
Liu, et al; <i>Recent Development in the Fabrication of Metal Matrix-Particulate Composites Using Powder Metallurgy Techniques</i> ; in <i>Journal of Material Science</i> 29; 1994; pp. 1999-2007; National University of Singapore, Japan
Papyria; <i>The Cold Gas-Dynamic Spraying Method a New Method for Coatings Deposition Promises a New Generation of Technologies</i> ; Novosibirsk, Russia.
McCune, al; <i>Characterization of Copper and Steel Coatings Made by the Cold Gas-Dynamic Spray Method</i> ; National Thermal Spray Conference.

Examiner  Date Considered 6/22/05

*Examiner: Initial if reference considered whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-FB-A820 (also PTO-1449) Patent & Trademark Office-US Dept. of Commerce

Date: _____

Signature: _____

Name: _____

INFORMATION DISCLOSURE CITATION WITH DOCUMENT COPIES

Submitted by:	Atty. Docket No. DP-308152	Serial No.
SCOTT A. MCBAIN Delphi Technologies, Inc.,	Applicant Thomas W. Nehl et al	
Reg. No. 37181	Filing Date Herewith	Group

U.S. PATENT DOCUMENTS

Exam. Init.	Document Number	Date	Name	Class	Sub Class	Filing Date. (if approp.)
	5,302,414	04-12-1994	Alknimor et al			
	5,340,015	08-23-1994	Hira et al			
	5,395,679	03-07-1995	Myers et al			
	5,424,101	06-13-1995	Atkins et al			
	5,464,146	11-07-1995	Zalvzec et al			
	5,476,725	12-19-1995	Papich et al			
	5,527,627	06-18-1996	Lautzenhiser et al			
	5,593,740	01-14-1997	Strumbon et al			

FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Subclass	Translation Yes No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Alkhimov, et al; A Method of "Cold" Gas-Dynamic Deposition; Sov. Phys. Kokl. 36(12; December 1990; pp.1047-1049
Dykuizen, et al; Impact of High Velocity Cold Spray Particles; in Journal of Thermal Spray Technology 8(4); 1999; pp.559-564
Swartz, et al; Thermal Resistance At Interfaces; Appl. Phys. Lett., Vol. 51, No 26,28; December 1987; pp. 2201-2202.
Davis, et al; Thermal Conductivity of Metal-Matrix Composites; J.Appl. Phys. 77 (10), May 15, 1995; pp. 4494-4960.

Examiner *[Signature]* Date Considered *6/22/05*

*Examiner: Initial if reference considered whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-FB-A820 (also PTO-1449) Patent & Trademark Office-US Dept. of Commerce

Date: _____

Signature: _____

Name: _____

INFORMATION DISCLOSURE CITATION WITH DOCUMENT COPIES

Submitted by:	Atty. Docket No. DP-308152	Serial No.
SCOTT A. MCBAIN Delphi Technologies, Inc.,	Applicant Thomas W. Nehl, et al	
Reg. No. 37181	Filing Date Herewith	Group

U.S. PATENT DOCUMENTS

Exam. Init.	Document Number	Date	Name	Class	Sub Class	Filing Date (if approp.)
	5,795,626	08-18-1998	Grabel et al			
	5,854,966	12-29-1998	Kampe et al			
	5,875,626	03-02-1999	Singer et al			
	5,894,054	04-13-1999	Poruchuri et al			
	5,907,761	05-25-1999	Tohma et al			
	5,952,056	09-14-1999	Jordan et al			
	5,989,310	11-23-1999	Chu et al			
	6,051,045	04-18-2000	Narula et al			
	6,051,277	04-18-2000	Claussen et al			

FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Subclass	Translation Yes No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Stoner et al; <i>Measurements of the Kapitza Conductance between Diamond and Several Metals</i> ; Physical Review Letters, Volume 68, Number 10; March 9, 1992; pp. 1563-1566.
Stoner et al; <i>Kapitza conductance and heat flow between solids at temperatures from 50 to 300K</i> ; Physical Review B, Volume 48, Number 22, December 1, 1993-II; pp. 16374;16387.
Johnson et al; <i>Diamond/Al metal matrix composites formed by the pressureless metal infiltration process</i> ; J. Mater. Res., Vol. 8, No. 5, May 1993; pp. 11691173.
Rajan et al; <i>Reinforcement coatings and interfaces in Aluminium Metal Matrix Composites</i> ; pp. 3491-3503.

Examiner

Date Considered

6/22/05

*Examiner: Initial if reference considered whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-FB-A820 (also PTO-1449) Patent & Trademark Office-US Dept. of Commerce

Date: _____

Signature: _____

Name: _____

No. 0651-0011(12/31/86)

INFORMATION DISCLOSURE CITATION WITH DOCUMENT COPIES

Submitted by:

Atty. Docket No.
DP-308152

Serial No.

SCOTT A. MCBAIN
Delphi Technologies, Inc.,Applicant
Thomas W. Nehl et al

Reg. No. 37181

Filing Date
Herewith

Group

U.S. PATENT DOCUMENTS

Exam. Init.	Document Number	Date	Name	Class	Sub Class	Filing Date (if approp.)
	6,033,622	03-07-2000	Maruyama			
	6,074,737	06-13-2000	Jordan et al			
	6,129,948	10-10-2000	Plummet et al			
	6,139,913	10-31-2000	Van Steenkiste et al			
	6,283,386	09-04-2001	Van Steenkiste et al			
	5,308,463	05-03-1994	Hoffmann et al			
	5,648,123	07-15-1997	Kuhn et al			
	5,965,193	10-12-1999	Ning et al			

FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Subclass	Translation Yes No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

|LEC Manufacturing and Engineering Capabilities; Lanxide Electronic Components, Inc.

|Dykhuizen et al; *Gas Dynamic Principles of Cold Spray*; Journal of Thermal Spray Technology; 06-98; pp. 205-212.|McCune et al; *An Exploration of the Cold Gas-Dynamic Spray Method For Several Materials Systems*;|Ibrahim et al; *Particulate Reinforced Metal Matrix Composites - A Review*; Journal of Materials Science 26; pp. 1137-1156.

Examiner

Date Considered

6/22/05

*Examiner: Initial if reference considered whether or not citation is in conformance with MPEP 609;
Draw line through citation if not in conformance and not considered. Include copy of this form with next
communication to applicant.

Form PTO-FB-A820 (als PTO-1449) Patent & Trademark Office-US Dept. of Commerce

Date: _____

Signature: _____

Name: _____

INFORMATION DISCLOSURE CITATION WITH DOCUMENT COPIES

Atty. Docket No. DP-308152	Serial No. 10/763499
-------------------------------	-------------------------

Applicant THOMAS WOLFGANG NEHL

Filing Date January 23, 2004	Group
---------------------------------	-------

U.S. PATENT DOCUMENTS

Exam. Init.	Document Number	Date	Name	Class	Sub Class	Filing Date (if approp.)
	2,861,900	11/25/1958	Smith, et al.			
	4,416,421	11/22/1983	Browning, et al.			
	6,402,050	06/11/2002	Kashirin, et al.			
	2002/0102360	08/01/2002	Subramanian, et al.			

FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Subclass	Translation Yes No
42 36 911	12/23/1993	Germany			X
199 59 515	06/13/2001	Germany			X
100 37 212	01/17/2002	Germany			X
101 26 100	12/05/2002	Germany			X
1 160 348	12/05/2001	EP			X
02/052064	01/04/2002	WIPO Publication			X Abstract

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

European Search Report dated 29 January 2004 and it's Annex.

Examiner *[Signature]* Date Considered *6/22/05*

*Examiner: Initial if reference considered whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-FB-A820 (also PTO-1449) Patent & Trademark Office-US Dept. of Commerce

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Mail Stop Non-Fee Amendment, Commissioner for Patents, P. O. Box 1450, Alexandria, Virginia 22313-1450 on:

Date: *5/12/04*

Signature: *[Signature]*

Name: Lindsey Dickerson